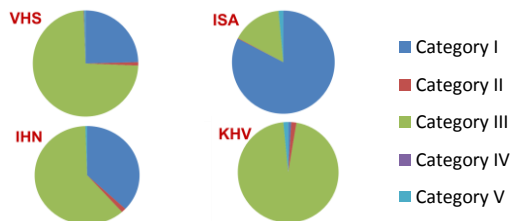


Health categorisation of fish farms in Europe in 2013

Niels Jørgen Olesen, Anemone Ojala

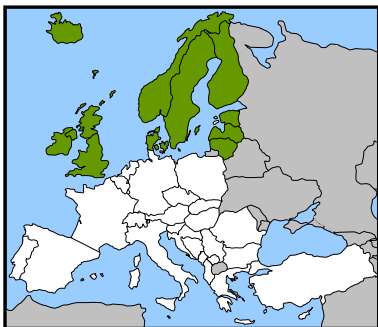
18th Annual Workshop of the National Reference Laboratories for Fish Diseases Copenhagen, Denmark, June 3-4, 2014

Distribution in categories according to diseases in Europe



All for 2011/2012/2013	Category I	Category II	Category III	Category IV	Category V	Total
VHS	3306/3231/3588	446/350/152	4348/4862/10641	37/28/30	473/4/52	8184/8505/14463
IHN	3674/3591/3820	370/272/147	3041/3574/6238	0/0/0	63/5/454	7148/7491/10259
ISA	3729/807/7634	19/19/16	1509/1474/1417	28/0/0	0/0/135	5285/9567/9202
KHV	116/100/116	327/232/204	6494/6977/11456	9/0/0	48/51/186	6994/7360/11962

Northern European countries 2013

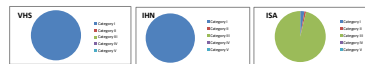


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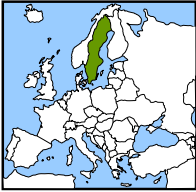


Norway

ISA: Category I are zones with brood fish production subject to a surveillance program.
Category II are sites within an eradication/surveillance zone.
Category IV are sites with diagnosed ISA and where there is still live fish.



2011/2012/2013	Category I	Category II	Category III	Category IV	Category V	Total
VHS	1260/1236/1221	7/0/				1267/1236/1221
IHN	1267/1236/1221	0/0/				1267/1236/1221
ISA	41/40/32	1/2/13	1225/1194/1176	0/0	0	1267/1236/1221
KHV						0/0/0
Total number of farms with Category						1267/1358/1358



Sweden

All in Cat. I except for KHV

2011/2012/2013	Category I	Category II	Category III	Category IV	Category V	Total
VHS	151/237/153					151/237/153
IHN	151/237/153					151/237/153
ISA	151/237/153					151/237/153
KHV	1/1/0		4			1/1/4
Total number of farms with Category:		with no Category: 0				162/162/167



Finland

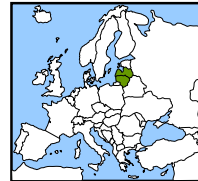
VHS: 30 in Cat. IV

2011/2012/2013	Category I	Category II	Category III	Category IV	Category V	Total
VHS	516/526/417	0/0/		26/30		547/552/447
IHN	547/557/254					547/557/254
ISA	547/557/269					547/557/269
KHV	0/0/		23/21			25/23/21
Total number of farms with Category:		with no Category: 0				485/470/482



Estonia

2011/12/2013	Category I	Category II	Category III	Category IV	Category V	Total
VHS	3/1	1/5/0	16/14/22	2/0/0		22/23
IHN	3/1	1/5/0	16/15/22			23/23
ISA	18/22/24		0/0/0			18/22/24
KHV			5/3/4			5/3/4
Total number of farms						23/28/29



Latvia:

Lithuania:

2011/2012/2013	Category I	Category II	Category III	Category IV	Category V	Total
Latvia						
VHS			80/80/80			80/80/80
IHN			80/80/80			80/80/80
ISA						
KHV			85/85/80			85/85/80
Total number of farms						160

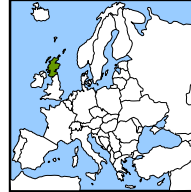
2011/2012/2013	Category I	Category II	Category III	Category IV	Category V	Total
Lithuania						
VHS	14/14/14	14/13/14	0/0/0			28/27/28
IHN	14/14/10	14/13/10	0/0/0			28/27/20
ISA	10/10/3	14/13/3	0/0/0			24/23/6
KHV	19/19/19	19/19/19	0/0/0			38/38/38
Total number of farms						20



Denmark

All of Denmark is Category I for IHN and ISA. From November 2013 the whole terrestrial area is category I for VHS, while the marine farms all are category III for VHS. Significant reduction in number of fish farms.

2011/2012/2013	Category I	Category II	Category III	Category IV	Category V	Total
VHS	243/230/227	47/60/0	27/25/30			276/321/257
IHN	327/327/258					276/327/258
ISA	327/327/258					276/327/258
KHV			0/6/6	5/0/0		5/6/6
Total number of farms with Category:		with no Category:	0			297/273/243



Scotland

Whole country is Category I for ISA, VHS and IHN.

Whole country is Category III for KHV. Six sites have movement restrictions in place for VHS, but do not hold species listed as susceptible.

2010/2011/2012	Category I	Category II	Category III	Category IV	Category V	Total
VHS	431/92/70				1/0	431/93/70
IHN	431/415/403					431/415/403
ISA	463/458/407	0/0/0		28/0/0		491/458/407
KHV			0/2/3		3/0/0	3/2/3
Total number of farms						431/405/412



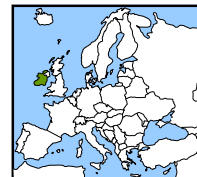
England & Wales

26 farms have Atlantic Salmon
Reduction in number of farms

Northern Ireland

Comment: *Includes 3 ornamental facilities for ornamental purposes. **Northern Ireland are now KHV free and this will be reflected in next year's return.

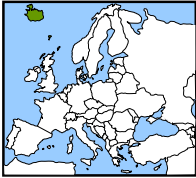
2011/2012/2013						
England & Wales	Category I	Category II	Category III	Category IV	Category V	Total
VHS	279/277/180					279/277/180
IHN	189/184/180					189/184/180
ISA	306/305/180*					306/305/180
KHV	1/1/1		115/124/139			116/125/180
Total number of farms						533/308/293
2011/2012/2013						
Northern Ireland	Category I	Category II	Category III	Category IV	Category V	Total
VHS	20/24/26					20/24/26
IHN	23/24/26					23/24/26
ISA	23/24/26					23/24/26
KHV	3/0/3*	2/2/2**				5/2/2
Total number of farms						29/22/21



Ireland

Reduction in number of farms with VHS susceptible species from 94 to 13!

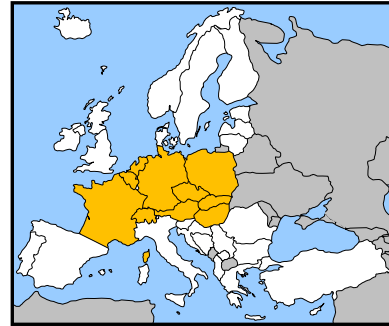
2011/2012/2013	Category I	Category II	Category III	Category IV	Category V	Total
VHS	94/94/13					94/94/13
IHN	92/92/54					92/92/54
ISA	91/91/54					91/91/54
KHV	1	1/1/0				1/1/1
Total number of farms						95/95/54



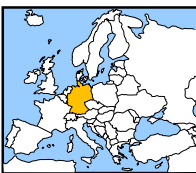
Iceland:
10 Cat III for ISA
Faroe Islands

2013	Category I	Category II	Category III	Category IV	Category V	Total
Iceland						
VHS	27					27
IHN	27					27
ISA	3		10			13
KHV						0
Total number of farms						51
2013						
Faroe Islands						
VHS			34			34
IHN			34			34
ISA			34			34
KHV			34			34
Total number of farms						34

Continental European countries 2013



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Germany
Very high number of farms in category, e.g. 2.442 to 8.638 for VHS in 2013



2011/2012/2013	Category I	Category II	Category III	Category IV	Category V	Total
VHS	158/158/149	31/21/13	2167/2251/8465	1/2/0	19/10/11	2376/2442/8638
IHN	154/156/145	28/18/12	2038/2228/4982	0/0/0	10/6/5	2230/2408/5144
ISA	1164/4896/4075	4/2/0	141/170/50			1309/5068/4125
KHV	1/2	46/9/7	1629/1775/5786	4/0/0	20/29/30	1700/1814/5825
Total number of farms						11728/12708/12973



France
Do only include approved free zones in France

2011/2012/2013	Category I	Category II	Category III	Category IV	Category V	Total
VHS	426/7/359		326/7/0	0	0/10	752/7/369
IHN	426/7/145		326/7/0	0	0	752/7/352
ISA	1632			0	0	1632
KHV	24			0	0/2	26
Total number of farms						2000/7/1633
Farms with no category 1.200?						



Netherlands

No positives for VHS and IHN in 2013.

Belgium

Only 3 of 92 farms reported in category

2011/2012/2013	Category I	Category II	Category III	Category IV	Category V	Total
Netherlands						
VHS			40/40/40		5/5/5	45/45/45
IHN			37/37/37		8/8/8	45/45/45
ISA			45/45/45			45/45/45
KHV			2/2/2			2/2/2
Total number of farms						151/151/151
Belgium						
VHS	2/2/1	81/82/0		0/0/0	2/2/2	85/86/3
IHN	2/2/1	84/85/0			1/1/1	87/88/2
ISA						
KHV						
Total number of farms						97/92/92



Poland

VHS and IHN: 8 & 10 Cat. V.

2011/2012/2013	Category I	Category II	Category III	Category IV	Category V	Total
Poland						
VHS	20/21/19		446/456/378		4/6/8	470/483/405
IHN	20/21/21		442/452/374		8/10/10	470/483/405
ISA	All/0/all					All/0/0
KHV			2831/3273/3480		9/8/6	2840/3281/3483
Total number of farms						3310/3982/2
Farms with no category						



Czech Republic

Slovakia

Hungary

2011/2012/2013	Category I	Category II	Category III	Category IV	Category V	Total
Czech Republic						
VHS			1314/1385/995			1314/1385/1000
IHN			192/194/178			192/194/178
ISA	331/332/210					311/332/210
KHV			1573/1572/1483			1573/1572/1483
Total number of farms						3249/1741/1625
Slovakia						
VHS	156/80/77	161/81/77				322/162/214
IHN	161/81/77	161/81/77		3/0/0	2/1/0	322/162/214
ISA						
KHV	45/36/19	45/36/19				90/72/38
Total number of farms						161/126/137
Hungary						
VHS		2/4/4				2/4/4
IHN		2/4/4				2/4/4
ISA						
KHV		130/131/156				130/131/156
Total number of farms						273/272/246



Austria,

Decrease in VHS, IHN and KHV

Slovenia

Still VHS and IHN infected farms in Cat V

Switzerland,

No categorization as in EU

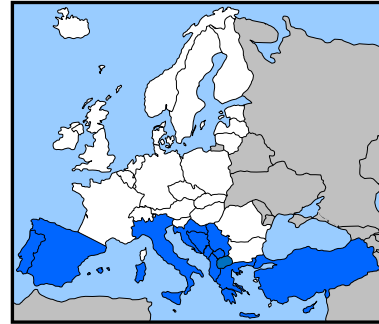
2011/2012/2013	Category I	Category II	Category III	Category IV	Category V	Total
Austria						
VHS	8/8/9	0/0/1	0/0/64		5/0/4	13/8/78
IHN	8/8/9	0/0/1	0/0/64		3/0/2	11/8/76
ISA						
KHV			0/0/15			0/0/15
Total number of farms		farms categorised?				2/2/2
Slovenia						
VHS	5/8/8	3/1/1	121/135/135		8/7/6	137/151/150
IHN	5/8/8	3/1/1	101/113/135		33/29/27	142/151/171
ISA						
KHV			57/70/70		14/14/14	71/84/84
Total number of farms						302/301/301
Switzerland						
VHS		5/5/0	343/0			5/343/0
IHN		5/5/0	343/0			5/343/0
ISA						
KHV						
Total number of farms						357/357/357



Romania
From 2013: Many farms in categorization
Bulgaria

2011/2012/2013	Category I	Category II	Category III	Category IV	Category V	Total
Romania						
VHS	7/7/0		947/76191			0/7/191
IHN	15/7/0		947/76127			0/0/127
ISA	10/7/127					0/0/127
KHV			0/7/322		2/7/1	2/0/323
Total number of farms						416/608/2
Bulgaria						
VHS	12	48/37/23	20/46/50		2/2/0	70/85/85
IHN	24/20/12	26/19/23	20/22/50			70/65/85
ISA	54/0/0					0/0/0
KHV	45/33/23	59/33/0	128/0/0			232/66/23
Total number of farms						302/336/337

Mediterranean European countries 2013



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Italy
Categorisation of farms is in progress
555 farms registered

2011/2012/2013	Category I	Category II	Category III	Category IV	Category V	Total
VHS	402	(169)/?	(173)/?		(4)/?	402
IHN	405					405
ISA	535/7/629					535/7/629
KHV	608					608
Total number of farms						559/562/555



Spain
Almost all in cat I
Portugal
8 farms in program

2011/2012/2013	Category I	Category II	Category III	Category IV	Category V	Total
Spain						
VHS	141/155/161	4/3/0	19/42/20			164/200/181
IHN	141/155/161	4/3/0	15/41/18			160/199/179
ISA	136/738/181					136/738/181
KHV	/8/0		3/8/0			3/16/0
Total number of farms						717/361/263
Portugal						
VHS	19/22/22	12/8/8				31/30/30
IHN	19/22/22	12/8/8				31/30/30
ISA						
KHV		1/1/1				1/1/1
Total number of farms						116/114/114



Croatia

VHS/IHN all in Cat I or II

Rep. of Macedonia

No categorisation yet. I guess we are in Category 3.

Bosnia & Herzegovina, Kosovo,
Albania

No data in 2013

2011/2012/2013	Category I	Category II	Category III	Category IV	Category V	Total
Croatia	13	30/30/11				30/30/25
VHS	13	30/30/11				30/30/25
IHN	13	30/30/11				30/30/25
ISA	30/30/0	0/0/0	25			30/30/25
KHV	24	24/0/0				24/0/24
Total number of farms						117/117/99



Greece

Turkey

No data in 2013

2011/2012/2013	Category I	Category II	Category III	Category IV	Category V	Total
Greece			73/82/64			73/82/64
VHS			73/74/64			73/74/64
IHN			73/74/64			73/74/64
ISA			73/74/64			73/74/64
KHV			9/7/7			9/7/7
Total number of farms						499/428/418

2011/2012/2013	Category I	Category II	Category III	Category IV	Category V	Total
Turkey						
VHS		96/?	1503/?			1599/?
IHN		96/?	1503/?			1599/?
ISA						
KHV			45/?			45/?
Total number of farms						1999/1889

Summary of health categorisation in 2013

- Increase in number of categorized farms reported (From 8.505 to 14.463 for VHS and from 7360 in 2012 to 11.962 in 2013 for KHV!) especially due to Germany, some countries, however, skipped the categorization
- Not much happened since 2011 and only little progress seen.
- Health categorization applies to ZONES and COMPARTMENTS and account to ALL APB's in these both authorized and registered
- Only species listed as susceptible for a listed disease included (no sea bass / sea bream, ell farms etc.)
- Different views on how categorisation shall be performed: e.g. Marine/freshwater question for VHS and ISA not all cat I?
- Very few farms in Europe are declared infected as almost none Cat V farms

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Summary of health categorisation in 2013

- Many farms in Cat III : many farms to be inspected by active surveillance according to risk ranking (Annex III)
- Many farms in Cat.II: are all these surveillance programmes informed to or approved by the Commission ?
- Risk based surveillance not finally implemented yet, no programmes submitted

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Thank you for your attention!